

parafacials, parafrontals dark greenish covered with brassy pollen in both sexes. Frontalia pale fulvous, first two antennal joints and base of third rufous, rest of third joint and arista brown, palpi yellow to fulvous-yellow. All head pile pale brassy except the black hairs of parafrontals. Thorax, pleurae, and scutellum dark greenish, rather shining, brassy pollinose in both sexes; five vittae of usual pattern. Scutellum more or less rufous under the green sheen and the pollen. Abdomen polished metallic blue-black, the anal segment of both sexes with faint silvery or brassy bloom in oblique view but not directly visible. Legs black. Wings lightly infusate, faintly yellowish on base. Both scales of tegulae deep fuscous to fuscous-watery and tawny. Scutellum with three strong marginal macrochaetae on each side, the middle one a little shorter than the others; the weak decussate apical pair present, with the short erect pair in front of them.

Type, TD4149 (fly, straplike uterus, black maggots). The cotypes include TD4146.

This form differs in the scutellar bristles from *A. incasana* T. of the north Peruvian coastal plains, but agrees in this character with the form of *incasana* occurring in the central coastal-foothill region. It may prove to be a subspecies, but is not so indicated at present.

A NEW CUTEREBRA FROM PANAMA

(*Diptera*)

By FREDERICK KNAB

Cuterebra maculosa, new species.

Female: Head black, more or less shining. Frons behind slightly less than the width of one eye, strongly broadening in front, the ocular margins nearly rectilinear, the anterior margin prominently arcuate; surface with a slight median groove and shallowly depressed each side of the middle, raised toward the ocelli and somewhat swollen anteriorly; a broad median zone velvety black and densely clothed with fine but stiff black hairs, laterally and in front subshining and with scattered black hairs inserted in fine punctures; a small white pollinose spot on middle of eye-margin, an elongate spot of the same nature anteriorly, reaching from eye-margin two-thirds way to the antennæ. Lower part of head more strongly shining, deeply and irregularly wrinkled on the cheeks, densely

black-haired about the mouth; facial depression highly polished, with but few hairs on its lower part; a yellowish pollinose transverse streak from near lower end of facialia to eye-margin, a large subquadrate yellowish pollinose spot resting against angle formed by posterior margin of cheek and eye-margin, a pair of very narrow pollinose stripes at sides of clypeal ridge. Mesonotum piceous-black, a bright ferruginous ill-defined spot close to humeri, a whitish line along transverse suture; surface strongly polished anteriorly, more dull posteriorly and with faint gray pruinosity; hairs very fine, black, their insertions minute, rather sparse anteriorly and becoming denser toward scutellum; humeri white-pollinose, lateral margins black-haired, a patch of yellow hair just above wing-insertion. Scutellum black and densely black-haired, some short yellowish bristles low down on posterior margin. Pleuræ black, with patches of brownish yellow hair on propleuræ, mesopleuræ, on posterior coxæ and at wing-insertion. Abdomen dorsally largely steel-blue, at the sides and beneath with yellowish brown pollinose ornamentation, clothed with fine, moderately dense, black hairs; first segment more shining than the others, wholly steel-blue above, narrowly margined behind toward the sides with yellowish pollen, beneath with a few pollinose irrorations; second and third segments blue in the middle, broadly pollinose at the sides and beneath to the narrow ventral zone, this pollinosity with numerous, irregularly distributed steel-blue dots which have a tendency to coalesce; fourth segment wholly brownish pollinose and with steel-blue dots, sparsest on the disk. Legs wholly black, only the hind femora with a fringe of brownish yellow hairs along ventral surface. Wings with the venation normal, hyaline, tinged with brown at base, along costa and very strongly toward the apex, the anal field clear. Alula deep brown and with a fine pale margin. Calypteres black, with short creases and narrow dull brown fringe.

Length: Body about 27 mm., wing 20 mm.

Two females: Ancon, Canal Zone, November 24, 1908 (A. H. Jennings); Cristobal, Canal Zone, August 14, 1911 (Dr. S. A. Davis).

Type, Cat. No. 19126, U. S. Nat. Mus.

The host is unknown, but no doubt will prove to be one of the rodents of this region.